| Application Number:                     | 106 | 10632767                              |          |        |                         |  |  |
|---|-----|---------------------------------------|----------|--------|-------------------------|--|--|
| Filing Date:                            | 01- | 01-Aug-2003                           |          |        |                         |  |  |
| Title of Invention:                     | SP/ | SPARSE CACHING FOR STREAMING MEDIA    |          |        |                         |  |  |
| First Named Inventor/Applicant Name:    | Ale | Alexandre V. Grigorovitch             |          |        |                         |  |  |
| Filer:                                  | Bea | Beatrice L. Koempel-Thomas/Shani Hoke |          |        |                         |  |  |
| Attorney Docket Number:                 | MS  | MS1-1541US                            |          |        |                         |  |  |
| Filed as Large Entity                   | ·   |                                       |          |        |                         |  |  |
| Utility under 35 USC 111(a) Filing Fees |     |                                       |          |        |                         |  |  |
| Description                             |     | Fee Code                              | Quantity | Amount | Sub-Total in<br>USD(\$) |  |  |
| Basic Filing:                           |     |                                       |          |        |                         |  |  |
| Pages:                                  |     |                                       |          |        |                         |  |  |
| Claims:                                 |     |                                       |          |        |                         |  |  |
| Miscellaneous-Filing:                   |     |                                       |          |        |                         |  |  |
| Petition:                               |     |                                       |          |        |                         |  |  |
| Patent-Appeals-and-Interference:        |     |                                       |          |        |                         |  |  |
| Post-Allowance-and-Post-Issuance:       |     |                                       |          |        |                         |  |  |
|   |     | 1501                                  | 1        | 1510   | 1510                    |  |  |

Publ. Fee- early, voluntary, or normal

| Description        | Fee Code          | Quantity | Amount | Sub-Total in<br>USD(\$) |
|--------------------|-------------------|----------|--------|-------------------------|
| Extension-of-Time: |                   |          |        |                         |
| Miscellaneous:     |                   |          |        |                         |
|                    | Total in USD (\$) |          |        | 1810                    |